# LAND APPLICATION SITE RONALD H. MORRIS GRRHM 1-6 GREENE COUNTY

#### VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

#### PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDIALS

TART DAVI. LAND AT	LIGATION AGREEMEN	1 - BIOSOLIDS AND IND	OSTRIAL RESIDUALS
here as "Landowner", and remains in effect until it is the Landowner in the ever individual parcels identified	Recyc Systems, Inc., terminated in writing by eithe	, referred to here as the "Per er party or, with respect to the arcels, until ownership of all p , those parcels for which own	ose parcels that are retained by parcels changes. If ownership of nership has changed will no
Landowner: The Landowner is the own the agricultural, silvicultural attached as Exhibit A.	er of record of the real prope al or reclamation sites identifi	erty located in <u>Green</u> ed below in Table 1 and ider	Le_, Virginia, which includes ntified on the tax map(s)
Table 1.: Parcels au	thorized to receive biosolids,	, water treatment residuals o	r other industrial sludges
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
<u>48 - A · ZZ</u>			
48-A-24			
Additional parcels containing Lar	nd Application Sites are identified or	 n Supplement A (check if applicable	)
	ne Landowner is the sole own ne Landowner is one of multi		
within 38 months of the late  1. Notify the purchase later than the date 2. Notify the Permitte  The Landowner has no oth	est date of biosolids application or transferee of the application of the property transfer; and e of the sale within two weeker agreements for land appli	ion, the Landowner shall: able public access and crop as following property transfer ication on the fields identified	·. I herein. The Landowner will
	of this agreement becomes in		ger available to the Permittee ein contained becomes
agricultural sites identified a inspections on the land idea purpose of determining con	ntified above, before, during npliance with regulatory requer treatment residuals F	Landowner also grants perm or after land application of purements applicable to such ood processing waste  Yes  No	nission for DEQ staff to conduct ermitted residuals for the application.  Other industrial sludges  Yes   No
Carll It n	A Assis.	3729 Stan	celt Road ardsville, VA 229
Landowner - Printed Name, Title			ailing Address & Phone Number
Regnald Regnald	at hems	434	7-985-2267
manner authorized by the VPA	Permittee, agrees to apply bios Permit Regulation and in amou oplication field by a person certif	unts not to exceed the rates ide	ntified in the nutrient management
The Permittee agrees to notify	the Landowner or the Landowr	ner's designee of the proposed	schedule for land application and e source of residuals to be applied.
☐ I reviewed the document(s) document(s) available to DEQ	assigning signatory authority to for review upon request. (Do no	the person signing for landown ot check this box if the landowner si	ner above. I will make a copy of this gns this agreement)
Stoucho	Ando	PO Box 562 Re	mington, Virginia 22734
Permittee - Authorized Represer	ntative Signature		illing Address

Rev 9/14/2012

Printed Name

#### VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Recyc Systems, Inc	County or City: Green e
Landowner: Ronald Mon	<u> 15</u>

#### Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.

#### 2. Public Access

- a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
- Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
- c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

#### 3. Crop Restrictions:

- a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
- b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
- d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
- e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

#### 4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

- Meat producing livestock shall not be grazed for 30 days,
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
- c. Other animals shall be restricted from grazing for 30 days;
- Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals
  applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan
  developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
- Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three
  years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45
  pounds/acre (0.5 kilograms/hectare).

X_ Royald 14 Moris	9-22-14
Landowner's Signature	Date

Farm Operator Signature

3699 Celt RO Stanords ville, Va. 22973

Mailing Address & Phone Number 434 960 -365

Rev 9/14/2012 Page 2 of 2

## VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

#### PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

here as "Landowner", and remains in effect until it is the Landowner in the ever individual parcels identifie	greement is made on 3-5 Recyc Systems, Inc 5 terminated in writing by eithe nt of a sale of one or more pa d in this agreement changes, ceive biosolids or industrial re	referred to here as the "Perrer party or, with respect to tho arcels, until ownership of all p, those parcels for which own	niftee". This agreement se parcels that are retained by arcels changes. If ownership of ership has changed will no
Landowner: The Landowner is the owr the agricultural, silvicultural attached as Exhibit A.	ner of record of the real prope al or reclamation sites identifi	erty located in <b>Circent</b> ed below in Table 1 and iden	Virginia, which includes tified on the tax map(s)
Table 1.: Parcels au	thorized to receive biosolids,	, water treatment residuals or	other industrial sludges
<u>Tax Parcel ID</u>	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
48 - A - 22		0.0	
48 - A · 24			
		_	
		0 1	
	nd Application Sites are identified or		
Check one:	he Landowner is the sole own he Landowner is one of multi	ner of the properties identified	d herein.
<ol><li>Notify the Permittee</li><li>The Landowner has no other notify the Permittee immediately</li></ol>	of the property transfer; and se of the sale within two weel her agreements for land appli diately if conditions change so	ks following property transfer, ication on the fields identified uch that the fields are no long	herein. The Landowner will ger available to the Permittee
incorrect.	of this agreement becomes in		
agricultural sites identified inspections on the land ide purpose of determining co	entified above, before, during mpliance with regulatory requ	Landowner also grants perm or after land application of po uirements applicable to such	nission for DEQ staff to conduct ermitted residuals for the application.
<u>Class B biosolids</u> <u>Wat</u> ⊠ Yes □ No ⊠ Y		ZIVes IINO IX	Other industrial sludges  Yes
0 1 D 00	·	3729	rcelt Rd. Stanardsville
Landowner - Printed Name, Tit	Orris Andrey P. le Signature	7110 VII 43.	4-985-226-( 22973 illing Address & Phone Number
Permittee: Recyc Systems, Inc., the manner authorized by the VP	Permittee, agrees to apply bios	solids and/or industrial residuals ounts not to exceed the rates ide	ntified in the nutrient management
The Permittee agrees to notif	y the Landowner or the Landow	ner's designee of the proposed s	schedule for land application and e source of residuals to be applied.
☐ I reviewed the document(s	• •	o the person signing for landown	er above. I will make a copy of this
Stub	Stule		mington, Virginia 22734
Permittee – Authorized Represe Printed Nam		Ma	illing Address

Rev 9/14/2012

#### VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee:Recyc Systems, Inc	County or City: —Cireene
Landowner: Audrey P. Morris	

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  developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
- Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three
  years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45
  pounds/acre (0.5 kilograms/hectare).

Audrey P. Morris
Landowner's Agnature

3/5/18
Date

3729 Call Rd

3729 Celt Rd

Andrey P. Morris Stan and soulle, va 22973

Farm Operator Signature Mailing Address & Phone Number

434-985-2267

## **FARM DATA SHEET**

SITE NAME:	Ronald H. Morris	COUNTY:	Greene
OWNER:	Ronald H. and Audrey P. Morris	OPERATOR:	David Cox
OWNER'S	3729 Celt Road	OPERATOR'S	3699 Celt Road
ADDRESS:	Stanardsville, VA 22973	ADDRESS:	Stanardsville, VA 22973
OWNER'S TELEPHONE:	434-985-2267	OPERATOR'S TELEPHONE:	434-960-3653
GENERAL FARM TYPE:	Hay/ Pasture	CELL PHONE:	-
# CATTLE:	40	EMAIL:	-
LAGOON or SLURRY:	None	LATITUDE:	38.260
TOPO QUAD:	Stanardsville	LONGITUDE:	78.464
COMMENTS:		METHOD OF DETERMINATION:	Online Maps
Owner would li		vel driveway for truck trat use for their house.	ffic, NOT the paved
	2		
	-		

## RECYC SYSTEMS, INC FIELD DATA SHEET

Field	DEQ	Gross	Enviro	nmentally	Sensitiv	e Soils		Tax	FSA	
Identification	Control ID	Acres	Water Table	Bed Rock/ Shallow	Surf/ Leach	Freq Flood	Hydro Map	Мар#	Tract#	
			Cn Nov-Apr				<u> </u>		T 235	
GRRHM 1	51079-00127-0000	31.4	Kn NovMay	AsD	AsD		JR10	48-A-22	F 1, 2, 5	
GRRHM 2	51079-00128-0000	6.2	_	AvD	AvD	-	JR10	48-A-22	T 235 F 6	
GRRHM 3	51079-00129-0000	9.0	_	_	-	_	JR10	48-A-22	T 235 F 7	
GRRHM 4	51079-00130-0000	16.2	Cn Nov-Apr Kn NovMay	_	_		JR10	————— 48-A-22	T 235 F 3, 4	
GRRHM 5	51079-00131-0000	15.3	Cn Nov-Apr Kn NovMay	_	_	_	JR10	48-A-22	T 235 F 8	
	51079-00132-0000	18.1	Cn Nov-Apr Kn NovMay		_	Cs FebMay	JR10	48-A-22	T 235 F 9	
GRRHM 6	51079-00132-0000	10.1	KII NOVIVIAY	-	-	CS FebMay	JKIU	40-A-22	1 9	
									<del> </del>	
					-		_	,		
TOTAL ACRES IN SITE		96.2						<u> </u>		

#### **Landowner Coordination Form**

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A Land Application Agreement-Biosolids and Industrial Residuals from original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Permittee:

Recyc Systems, Inc.

Site Name:

Ronald H. Morris

County or City:

<u>Greene</u>

Please Print

Signature not required on this page

Tax Parcel ID(s)	<u>Landowners (s)</u>
48-A-22	Ronald H. and Audrey P. Morris
48-A-24	Ronald H. and Audrey P. Morris
	·
_	<del>-</del>

Page 1 of 3

**Report Number: 17-243-0560** 

Send To: Recyc Systems Inc Susan Trumbo

8455 Whiteshop Road

Culpepper VA 22701

**Account Number: 70594** 

Waypoint W

7621 Whitepine Road, Richmond, VA 23237 Main 804-743-9401 ° Fax 804-271-6446 www.waypointanalytical.com

"Every acre...Every year," ты

**Grower:** Ronald H. Morris Greene Co.

**SOIL ANALYSIS REPORT** 

Analytical Method(s):

SMP Buffer pH

Mehlich 3 Loss On Ignition

tion Wa

Date Received: 08/31/2017

Date Of Analysis: 09/01/2017

Date Of Report: 09/01/2017

Date Mcccivca.	00/01/2011		Duto O.	maryoro.	00.01.2	· · ·				00.01.											
	T	ОМ	W/V	ENR			Phospl	horus			Potas	sium	Magne	sium	Calci	um	Sodium	p	Н	Acidity	C.E.C
Sample ID Field ID	Lab Number	% Rate	Soil Class	lbs/A	M3 ppm	3 Rate	ppm	Rate	ppm	Rate	K ppm	Rate	M <sub>2</sub>	g Rate	Ca ppm	-	Na ppm Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
1	21320	7.4 VH		150	26	L					203	VH	168	Н	1105	М		6.1	6.81	1.2	8.6
2	21321	5.4 H		147	22	L					96	М	119	М	1042	М		6.0	6.81	1.2	7.6
3	21322	6.4 H		150	36	М					73	L	108	М	1137	Н		6.1	6.82	1.1	7.9
4	21323	5.9 H		150	59	Н					109	М	103	М	1043	Н		6.2	6.84	0.9	7.3
5	21325	5.3 H		146	50	М					89	L	104	M	1056	Н		6.2	6.84	0.9	7.3

		Perce	nt Base	Saturati	ion	Nitr	ate	Su	lfur	Zin	C	Manga	nese	Ire	on	Copper	Boron_	Soluble S	Balts	
Sample ID Field ID	% % % % ppm Rate ppm Rate ppm	Zı ppm		M ppm	n Rate		e Rate	Cu ppm Rate	B ppm Rate	SS ms/cm	Rate									
1	6.1	16.3	64.2		14.0					3.0	М	22	Н							
2	3.2	13.0	68.6		15.8		•			2.6	М	10	M				· <del></del>			
3	2.4	11.4	72.0		13.9					3.1	М	35	Н							
4	3.8	11.8	71.4		12.3					3.4	M	50	Н							
5	3.1	11.9	72.3		12.3					2.9	М	53	VH							

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by. Waypoint Analytical Virginia, Inc.

by: Pauric Mc George

Page 2 of 3

**Report Number: 17-243-0560** 

**Account Number: 70594** 

Send To: Recyc Systems Inc

Susan Trumbo

8455 Whiteshop Road Culpepper VA 22701



7621 Whitepine Road, Richmond, VA 23237 Main 804-743-9401 ° Fax 804-271-6446 www.waypointanalytical.com

"Every acre...Every year." in

**Grower:** Ronald H. Morris Greene Co.

**Date Received:** 08/31/2017

**Date Of Report:** 09/01/2017

#### SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N Ib/A	Phosphate P <sub>2</sub> O <sub>5</sub> Ib/A	Potash K <sub>2</sub> O Ib/A	Magnesium Mg lb/A	Sulfur S Ib/A	Zinc Zn Ib/A	Manganese Mn Ib/A	Iron Fe Ib/A	Copper Cu Ib/A	Boron B Ib/A
1	Adjust pH to 6.8	0	1.3				0			0			
2	Adjust pH to 6.8	0	1.3				0			2			
3	Adjust pH to 6.8	0	1.3				0			0			
4	Adjust pH to 6.8	0	1.3				0			0			
5	Adjust pH to 6.8	0	1.3				0			0			

#### Comments:

Sample(s): 2,3,4,5 Crop: Adjust pH to 6.8

Apply dolomitic lime to raise pH and improve the magnesium level.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Pauric Mc George

Pauric McGroary

Page 3 of 3

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**SOIL ANALYSIS REPORT** 

Analytical Method(s):

SMP Buffer pH

Mehlich 3 Loss On Ignition Water pH

Date Received: 08/31/2017

Date Of Analysis: 09/01/2017

Date Of Report: 09/01/2017

		ОМ	W/V	ENR		Phosphorus		Potassium	Magnesium	Calcium	Sodium	р	Н	Acidity	C.E.C
Sample ID Field ID	Lab Number	% Rate	Soil Class	lbs/A	M3 ppm Rate	ppm Rate	ppm Rate	K ppm Rate	Mg ppm Rate	Ca ppm Rate	Na ppm Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
6	21326	6.1 H		150	58 H			101 M	108 M	1044 M		5.9	6.80	1.3	7.7

		Perce	nt Base	Saturati	on	Nitrate	Sul	fur	Zir	ıc	Manga	nese	Iron	Copper _	Boron	Soluble Salts	
Sample ID Field ID	К	Mg	Ca	Na	Н	NO <sub>3</sub> N	S	;	Zı	n	Мі	1	Fe	Cu	В	SS	
rieid ib	%	%	%	%	%	ppm Rate	ppm	Rate	ppm	Rate	ppm	Rate	ppm Rate	ppm Rate	ppm Rate	ms/cm Rate	
6	3.4	11.7	67.8		16.9				3.0	М	36	Н				·	
													i i				

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High), ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

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Analysis prepared by Waypoint Analytical Virginia, Inc.

by: Pauric Mc George

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Date Received: 08/31/2017

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#### SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N Ib/A	Phosphate P <sub>2</sub> O <sub>5</sub> Ib/A	Potash K₂O lb/A	Magnesium Mg Ib/A	Sulfur S Ib/A	Zinc Zn Ib/A	Manganese Mn lb/A	Iron Fe Ib/A	Copper Cu lb/A	Boron B Ib/A
6	Adjust pH to 6.8	0	1.8				0			0			

#### Comments:

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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#### THE PLANNER IS NOT STATE CERTIFIED

#### Nutrient Management Plan Balance Sheet (Spring, 2018-Summer, 2020) Ronald H. Morris Planner: John Doe

Tract: 235 Location: Greene

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/BiosId Rate & Type (season)	(d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
1, 2, 5/GRRHM 1(N)	31/31	2018	Grass Pasture	50-30-0	0/0				50-30-0	N/A			
6/GRRHM 2(N)	6/6	2018	Fescue grass hay mt.	70-60-95	0/0				70-60-95	N/A			
7/GRRHM 3(N)	9/9	2018	Fescue grass hay mt.	90-80-170	0/0				90-80-170	N/A			
3, 4/GRRHM 4(N)	11/11	2018	Grass Pasture	50-0-30	0/0				50-0-30	N/A			
8/GRRHM 5(N)	16/16	2018	Fescue grass hay mt.	70-40-95	0/0				70-40-95	N/A			
9/GRRHM 6(N)	17/17	2018	Fescue grass hay mt.	70-40-95	0/0				70-40-95	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

#### Soil Test Summary

Tract	Field	Acre	Date	P2O5	K20	Lab	Soil pH	Lime Date	rec. lime tons/Ac
235	GRRHM 1	31	2017-Fa	M- (26 P ppm)	H+ (203 K ppm)	A&L MIII	6.1		
235	GRRHM 2	6	2017-Fa	M- (22 P ppm)	M (96 K ppm)	A&L MIII	6.		
235	GRRHM 3	9	2017-Fa	M (36 P ppm)	M (73 K ppm)	A&L MIII	6.1		
235	GRRHM 4	11	2017-Fa	H- (59 P ppm)	M+ (109 K ppm)	A&L MIII	6.2		
235	GRRHM 5	16	2017-Fa	H- (50 P ppm)	M (89 K ppm)	A&L MIII	6.2		
235	GRRHM 6	17	2017-Fa	H- (58 P ppm)	M (101 K ppm)	A&L MIII	5.9		

#### Field Productivities for Major Crops

Tract Name	Tract/ Field	Field Name	Acres	Predominant Soil Series	Corn	Small Grain	Alfalfa	Grass Hay	Environmental Warnings
235	235/1, 2, 5	GRRHM 1*	31	Elioak	IVa	III	111	III	High Leaching, High Slope
	235/6	GRRHM 2*	6	Elioak	IVb	111	Ш	H	High Leaching, High Slope
	235/7	GRRHM 3	9	Elioak	IVa	II	Ш	III	
	235/3, 4	GRRHM 4	11	Codorus	Illa	Ш	II	Ш	
	235/8	GRRHM 5	16	Codorus	IIIb	III	Ш	111	
	235/9	GRRHM 6	17	Kinkora	IVa	IV	Ш	IV	

<sup>\*</sup> Do not apply manure or biosolids more than 30 days prior to planting. Apply commercial fertilizer nitrogen to row crops in split spring applications.

#### Yield Range

Field Productivity Group	Corn Grain Bu/Acre	Barley/Intensive Wheat Bu/Acre	Std. Wheat Bu/Acre	Alfalfa Tons/Acre	Grass/Hay Tons/Acre
1	>170	>80	>64	>6	>4.0
H	150-170	70-80	56-64	4-6	3.5-4.0
III	130-150	60-70	48-56	<4	3.0-3.5
IV	100-130	50-60	40-48	NA	<3.0
V	<100	<50	<40	NA	NA

#### **Farm Summary Report**

Plan: New Plan Spring, 2018 - Summer, 2020

Farm Name: Ronald H. Morris

Location: Greene
Specialist: John Doe
N-based Acres: 90.9
P-based Acres: 0.0

**Tract Name: 235** FSA Number: 235

Location: Greene

Field Name: GRRHM 1

Total Acres: 31.20 Usable Acres: 31.20

FSA Number: 1, 2, 5 Tract: 235

Location: Greene

Slope Class: C Hydrologic Group: D

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

Fa-2017 6.1 M-(26 P ppm) H+(203 K ppm) A&L MIII

Soils:

PERCENT SYMBOL SOIL SERIES

17	AsD	Ashe
10	Cn	Codorus
10	EIB	Elioak
28	EnC3	Elioak
3	EnD3	Elioak
15	Kn	Kinkora
15	M∨B	Meadowville
2	UnB	Unison

#### Field Warnings:

Environmentally Sensitive Soils due to:

Soils with potential for leaching based on soil texture or excessive drainage

Soils with perent slope in excess of 15%

Field Name: GRRHM 2

Total Acres: 6.20 Usable Acres: 6.20

FSA Number: 6 Tract: 235

Location: Greene

Slope Class: C Hydrologic Group: C

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

#### Soil Test Results:

DATE PH P K Lab Fa-2017 6.0 M-(22 P ppm) M(96 K ppm) A&L MIII

Soils:

PERCENT SYMBOL SOIL SERIES
24 AvD Ashe
15 BcB Braddock
46 EnC3 Elioak
15 MvB Meadowville

#### Field Warnings:

Environmentally Sensitive Soils due to:

Soils with potential for leaching based on soil texture or excessive drainage

Soils with perent slope in excess of 15%

Field Name: GRRHM 3

Total Acres: 9.10 Usable Acres: 9.10

FSA Number: 7 Tract: 235

Location: Greene

Slope Class: C Hydrologic Group: C

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

Fa-2017 6.1 M(36 P ppm) M(73 K ppm) A&L MIII

Soils:

PERCENT SYMBOL SOIL SERIES

29 BcB Braddock 9 DkC3 Dyke 45 EnC3 Elioak 17 MvB Meadowville

#### Field Warnings:

Field Name: GRRHM 4

Total Acres: 10.90 Usable Acres: 10.90

FSA Number: 3, 4 Tract: 235

Location: Greene

Slope Class: B Hydrologic Group: D

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

#### Soil Test Results:

DATE PH P K Lab Fa-2017 6.2 H-(59 P ppm) M+(109 K ppm) A&L MIII

#### Soils:

PERCENT	SYMBO	DL	SOIL SERIES
48	Cn	Codoru	S
16	DkC3	Dyke	
6	EnC3	Elioak	
25	Kn	Kinkora	1
5	MvB	Meado	wville

#### Field Warnings:

Field Name: GRRHM 5

Total Acres: 16.10 Usable Acres: 16.10

FSA Number: 8 Tract: 235

Location: Greene

Slope Class: B Hydrologic Group: D

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

Fa-2017 6.2 H-(50 P ppm) M(89 K ppm) A&L MIII

Soils:

**PERCENT** SYMBOL **SOIL SERIES** Codorus 37 Cn DkB3 Dyke 7 21 DkC3 Dyke Kinkora 28 Kn 8 UnB Unison

Field Warnings:

Field Name: GRRHM 6

Total Acres: 17.40 Usable Acres: 17.40

FSA Number: 9 Tract: 235

Location: Greene

Slope Class: A Hydrologic Group: D

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

### P-Index Summary N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

#### Soil Test Results:

DATE	PH	Р	K		Lab
Fa-2017	5.9	H-(58 P ppm)	M(101 K ppm)	A&L MIII	

#### Soils:

PERCENT	SYMB	OL SOIL SERIES
29	Cn	Codorus
10	Cs	Comus
2	DkC3	Dyke
58	Kn	Kinkora

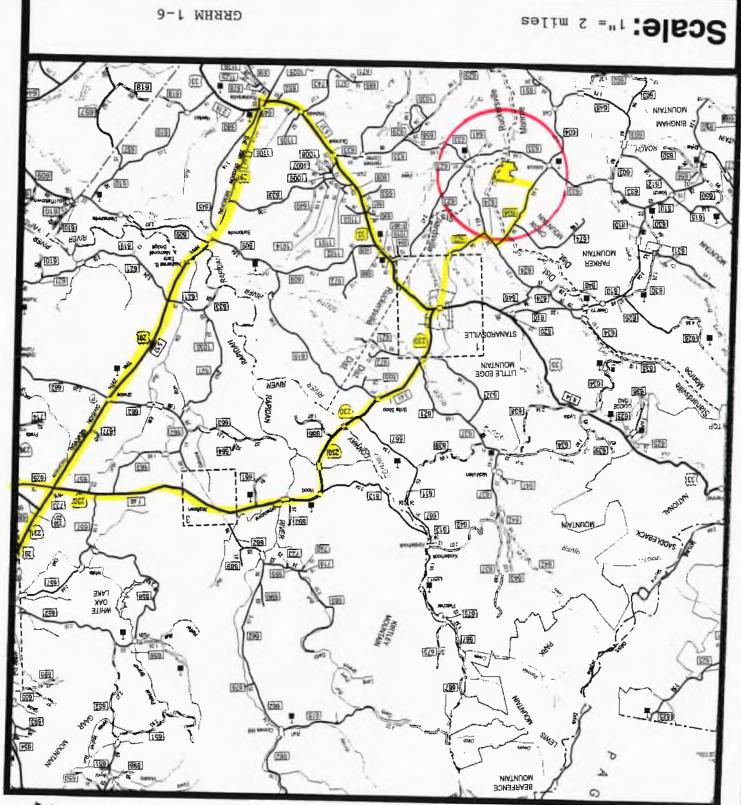
#### Field Warnings:

## MAPS



## Recyc Systems.

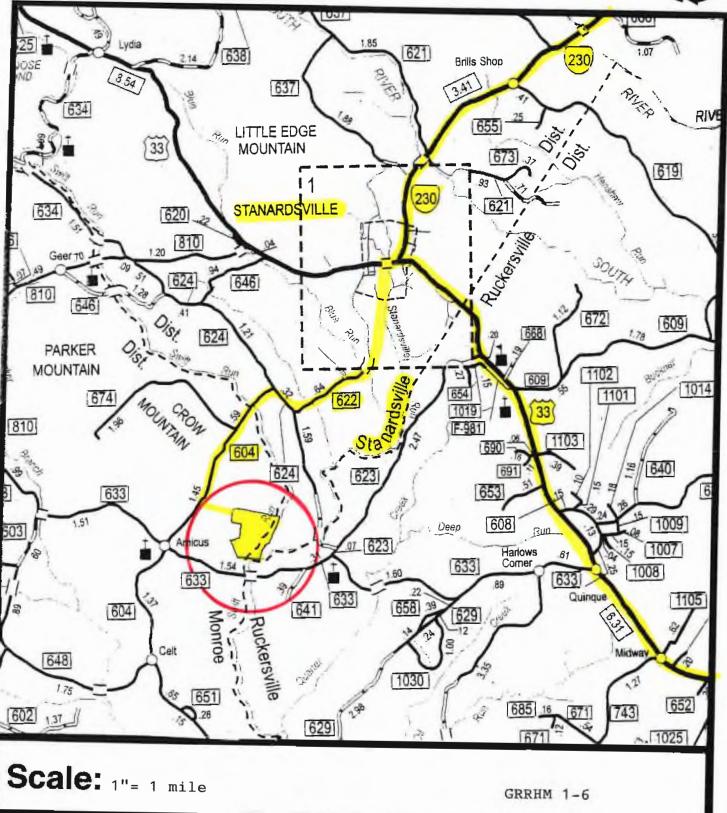
(Biosolids Land Application)



## Recyc Systems.

(Biosolids Land Application)

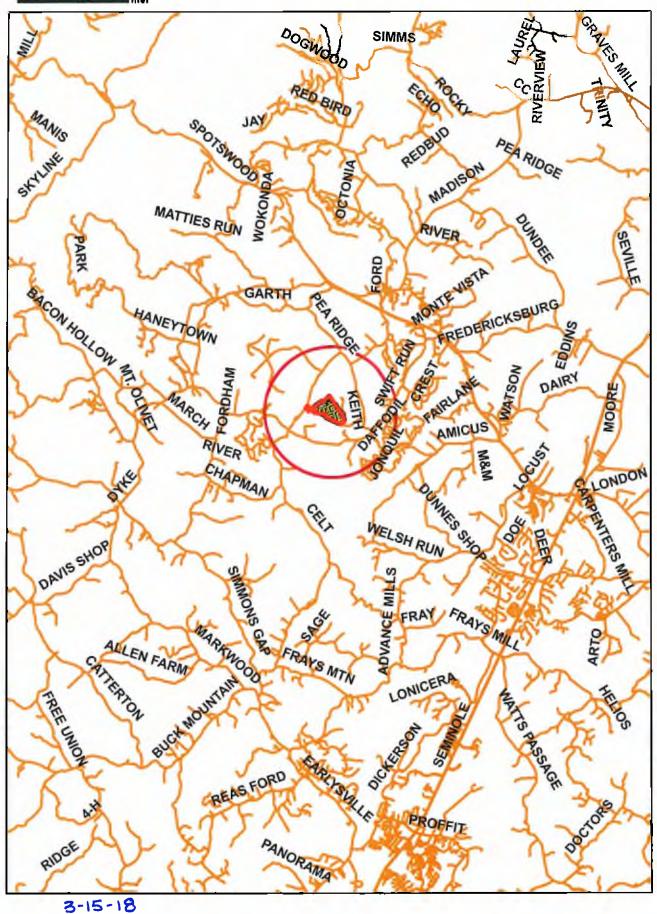




3-14-18

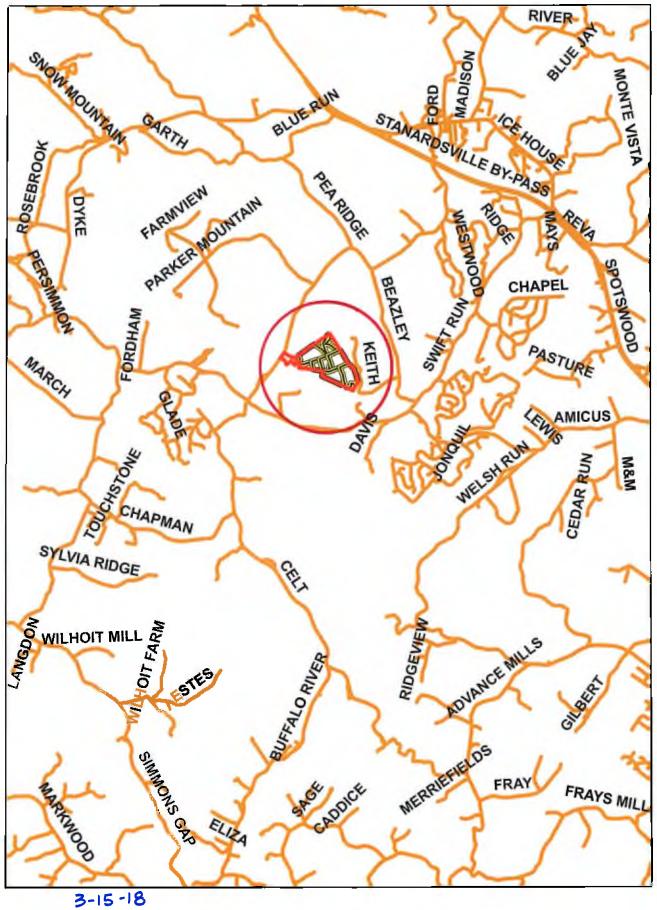
VICINITY MAP





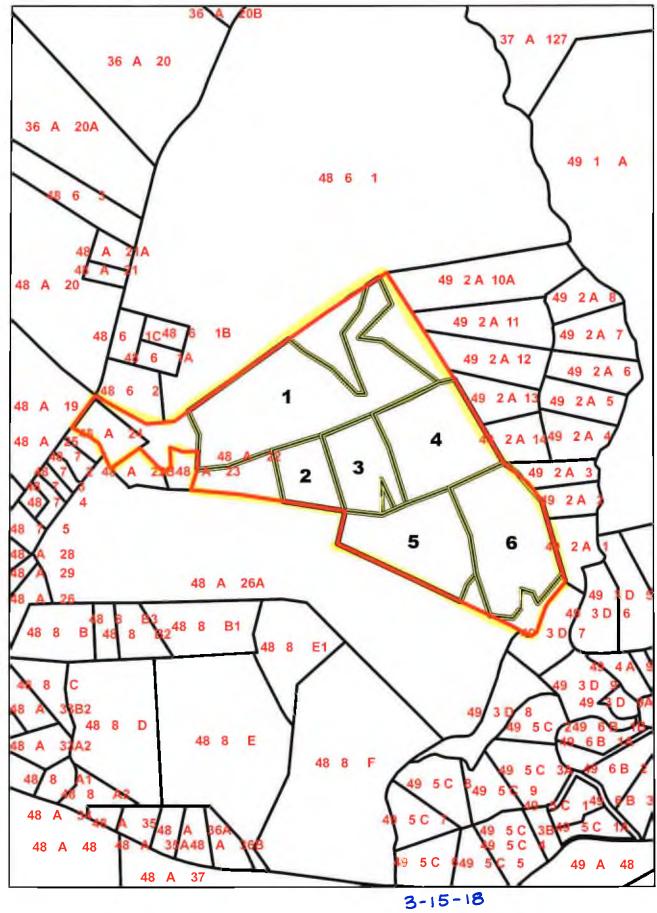










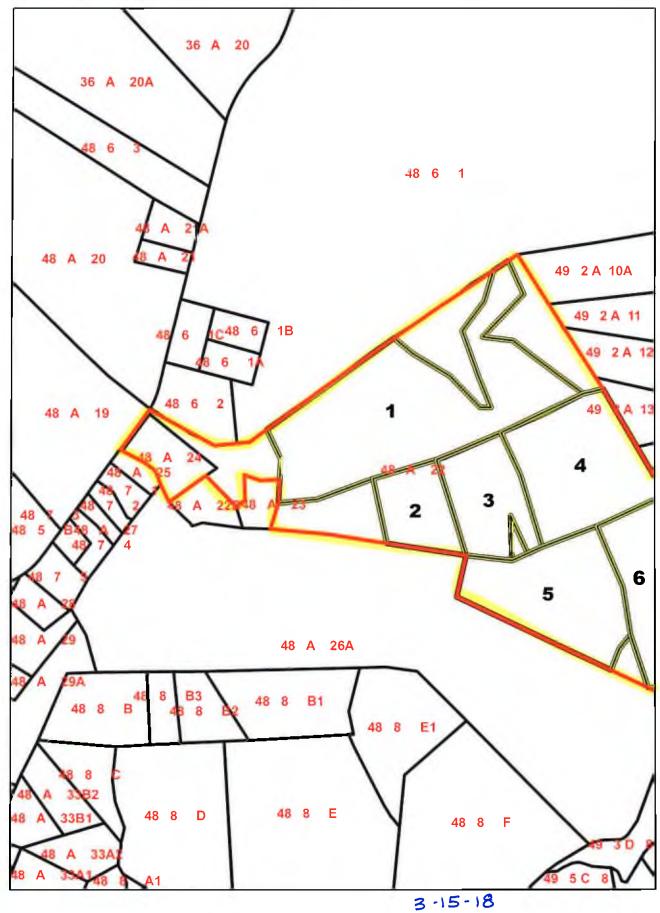


N

Tax Map

1 in = 833 feet

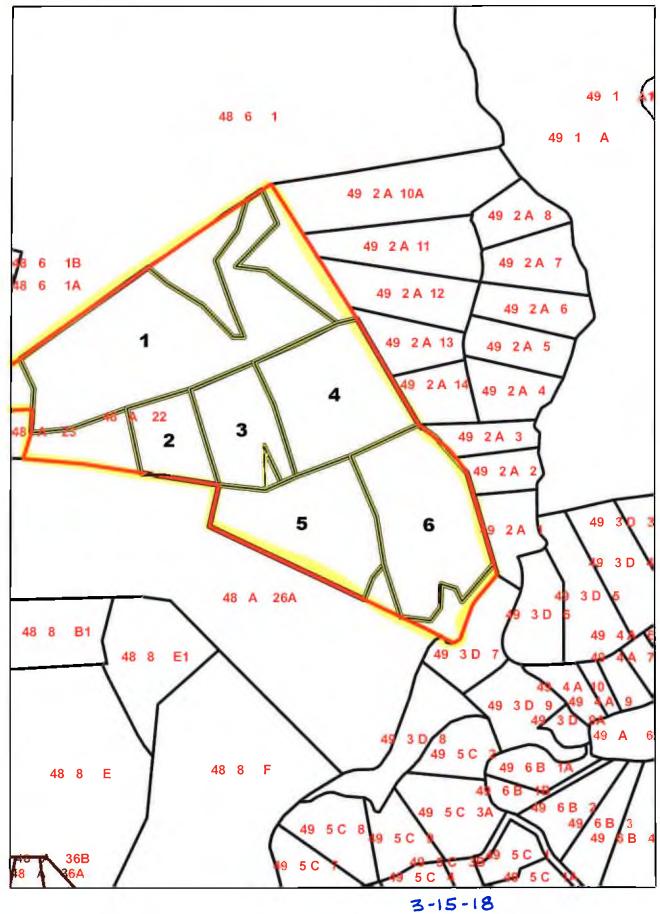




Tax Map

1 in = 660 feet





N N

Tax Map

1 in = 660 feet

### **ADJOINING LANDOWNERS**

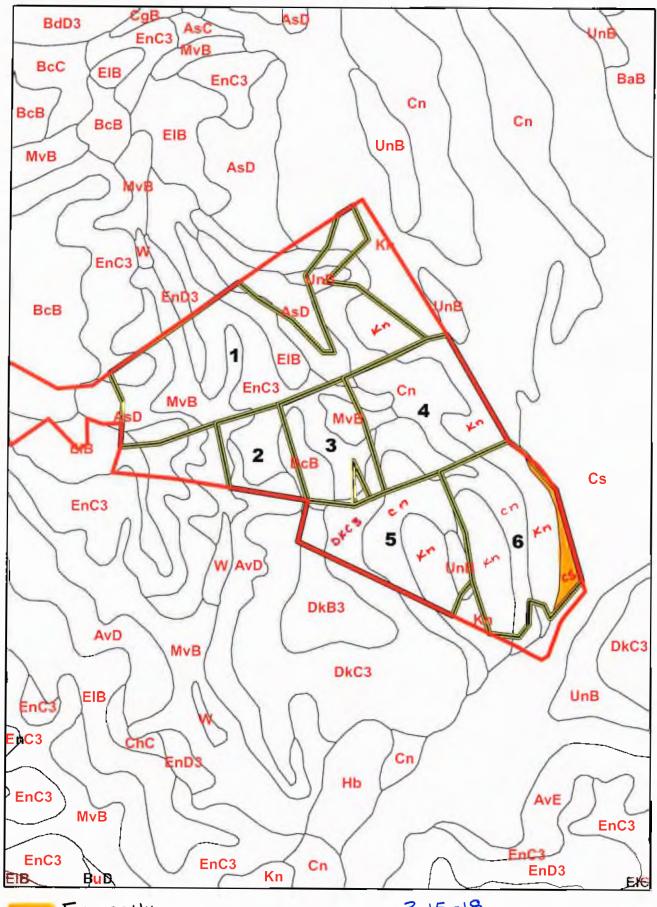
### Ronald H. Morris

### GREENE COUNTY

Тах Мар	Parcel #	Owner Name(s)
48	6 1	Mickey L. Cox Trustee under the Mickey L. Cox Rev. Trust
	6 2	David L. Cox
	A 19	Randy W. and Louise A. Vanwickler Trustees Vanwickler Family Rev. Trust
	A 20	Frank L. and Kathleen S. Messana Trustees of the Messana Family Rev. Trust
	A 22B	Lyndsey and Lauren Dunn
	A 23	Luke Collins
	A 25	Harold and Carol S. Shifflett
	A 26A	Early and Dolly Morris
49	2 A 1	Renee P. and Gladys F. Moline
	2 A 2	Chasity Meade
	2 A 3	Jerry G. Higgins
	2 A 10A	Shawn P. and Brandi A. Gehman
	2 A 11	Christina M. Lester
	2 A 12	Steven A. and Lou Ann Cammer
	2 A 13	Steven A. and Lou Ann Cammer
	2 A 14	Jessica L. Snow
	3 D 7	Keith A. and Gwendolyn J. Erikson Trustees Under Erikson Liv Trust
1		
ı		



#### RONALD H. MORRIS GRRHM





Frequently Flooded

Soil Map

3-15-18

1 in = 660 feet









Greene County, Virginia

Tract 235

Farm 75

## 9.13 6 6.26 UHEL UHEL 118 17.47 16.12 UHEL

#### 2014 Program Year

Map Created October 31, 2013

#### Common Land Unit

Cropland

// Non-cropland

Conservation Reserve Program

#### Wetland Determination Identifiers

- Restricted Use
- Exempt from Conservation Compliance Provisions
- Tract Boundary

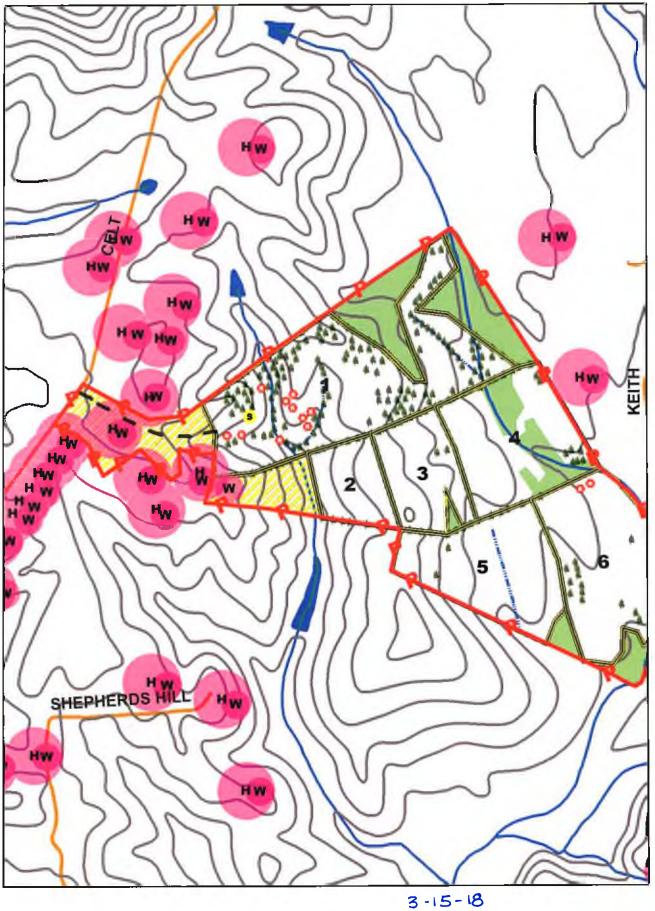
United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership, rather it depicts the information provided directly from the producer and/or National Agricultural Imagery Program (NAIP) imagery. The producer accepts the data 'as is' and assumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside FSA Programs. Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact boundaries and determinations or contact USDA Natural Resources Conservation Service (NRCS).

### **Legend For Site Plan**

Symbol	Feature	Minimum Setback
The state of the s	House and Well	200 feet from occupied dwelling * 100 feet from water supply wells or springs
w s	Well or Spring	100 feet from water supply wells or springs
~	Streams or Surface Water	35 feet with 35 foot vegetated buffer 100 feet without vegetated buffer
ш	Wet Spot	
	Trees and Woods	
	Private Drive	
R	Rock Area/Rock Outcrop	25 feet from rock outcrops 50 feet from limestone rock outcrops
:=	Severely Eroded Spot	18 Inch minimum depth of soil
	Sink Hole	100 feet from open sinkholes 50 feet from closed sinkholes
	State Road	10 feet from side of roadway
	Fence / Field Boundary	
P P P	Property Line	100 feet from property line *
SL S	Slope	15% maximum
	Hashed out Area	No application

 $<sup>{}^{*}\</sup>mathrm{Buffer}$  can be reduced or waived upon written consent from landowner.



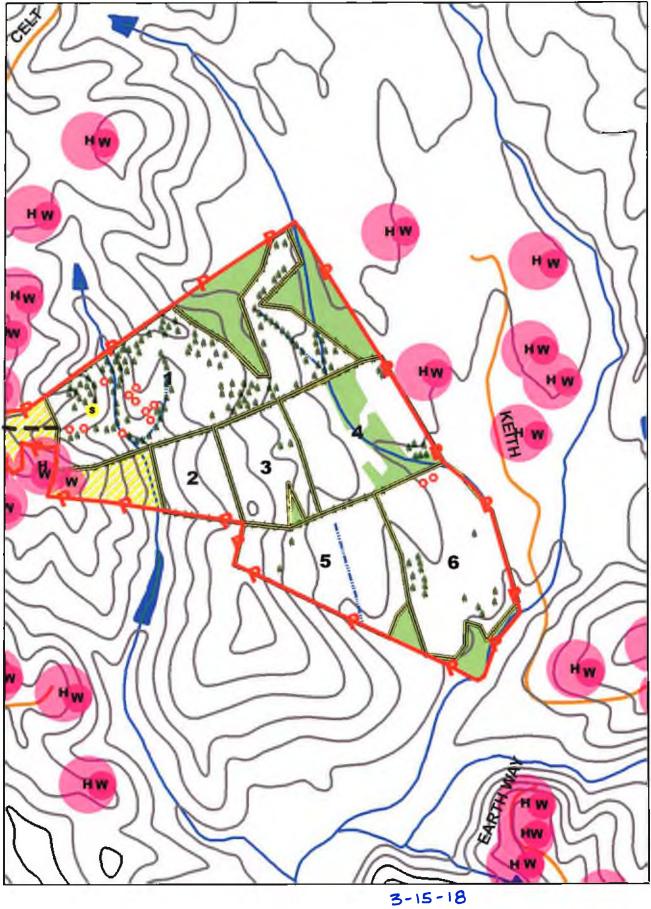


NZ NZ

Site Map

1 in = 660 feet







Site Map

1 in = 660 feet



